

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 5 | (US-6031284-\$ or US-6548330-\$ or US-6570469-\$ or US-6686223-\$ or US-6696764-\$).did. | USPAT | OR | OFF | 2005/03/10 11:39 |
| S1 | 959 | 438/113,114.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 13:20 |
| S2 | 702 | S1 and (trench\$4 or via or hole or cavit\$4 or aperture or depression or ditch or opening or pit or cave or burrow or hollow or vacuity or recess\$4 or indentation) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/05 16:23 |
| S3 | 177 | S2 and (flipchip or (flip near3 (chip or die or microdevice or (integrated near2 circuit)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/05 16:23 |
| S4 | 525 | S2 not S3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 14:56 |
| S5 | 257 | S1 not S2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 15:02 |
| S6 | 1205 | 438/108.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 15:02 |
| S7 | 1148 | S6 not S1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 15:29 |
| S8 | 2 | ("6696764").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 15:29 |
| S9 | 6 | ("5751060" "6018196" "6320267" "6406942" "6528892").PN. OR ("6696764").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 15:30 |

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| S10 | 4 | ("6183588").PN. OR ("6406942").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 15:40 |
| S11 | 4813 | 438/106,125-127.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 16:23 |
| S12 | 4214 | S11 not (S1 or S6) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 16:31 |
| S13 | 2916 | S12 and (trench\$4 or via or hole or cavit\$4 or aperture or depression or ditch or opening or pit or cave or burrow or hollow or vacuity or recess\$4 or indentation) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/05 16:31 |
| S14 | 786 | S13 and (flipchip or (flip near3 (chip or die or microdevice or (integrated near2 circuit)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/05 16:31 |
| S15 | 2319 | 257/778.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 16:31 |
| S16 | 1966 | S15 not (S1 or S6 or S14) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 17:21 |
| S17 | 1653 | S16 and (trench\$4 or via or hole or cavit\$4 or aperture or depression or ditch or opening or pit or cave or burrow or hollow or vacuity or recess\$4 or indentation) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/05 16:31 |
| S18 | 1113 | S17 and (singulat\$5 or dicing or separat\$4 or cut\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/05 16:32 |
| S19 | 617 | S14 and (singulat\$5 or dicing or separat\$4 or cut\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/05 16:32 |
| S20 | 1 | ("5838069").PN. OR ("6841885").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 16:45 |

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| S21 | 119 | (US-20010036711-\$ or US-20040034996-\$ or US-20020187590-\$ or US-20020022301-\$ or US-20050019981-\$ or US-20050001330-\$ or US-20040256739-\$ or US-20040245651-\$ or US-20040229399-\$ or US-20040227256-\$ or US-20040201089-\$ or US-20040197955-\$ or US-20040164390-\$ or US-20040150118-\$ or US-20040145044-\$ or US-20040080033-\$ or US-20030203542-\$ or US-20030137057-\$ or US-20030111722-\$ or US-20030104652-\$ or US-20030064548-\$ or US-20030001286-\$ or US-20020187587-\$ or US-20020180061-\$ or US-20020168797-\$ or US-20020135057-\$).did. or (US-20020127774-\$ or US-20010020739-\$ or US-20010013392-\$ or US-20050001331-\$ or US-20040169287-\$ or US-20040113281-\$ or US-20030102571-\$ or US-20030080409-\$ or US-20030030140-\$ or US-20020167093-\$ or US-20020121689-\$ or US-20020063331-\$ or US-20010052647-\$ or US-20010050441-\$ or US-20010033017-\$ or US-20030064549-\$ or US-20020137263-\$).did. or (US-6365438-\$ or US-6458626-\$ or US-6607938-\$ or US-6855572-\$ or US-6716665-\$ or US-6586822-\$ or US-6376279-\$ or US-6329224-\$ or US-6117704-\$ or US-5976955-\$ or US-5770884-\$ or US-6146920-\$ or US-6696764-\$ or US-6528892-\$ or US-6406942-\$ or US-6825063-\$ or US-6806119-\$ or US-6756685-\$ or US-6716671-\$ or US-6706553-\$ or US-6582991-\$ or US-6569710-\$ or US-6531338-\$ or US-6531337-\$ or US-6486562-\$ or US-6486001-\$).did. or C:\Documents and Settings\ARoman\My Documents\FAST\Workspaces\10710582.wsp | US-PGPUB; USPAT | OR | OFF | 2005/03/05 17:19 |
| Search History | 3/10/05 12:54:45 PM | Page 3 of 10710582.wsp | | | | |

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| S22 | 29 | ("4372037" "4604644" "4874721" "4874722" "4957882" "5071787" "5126818" "5172851" "5186381" "5201451" "5219794" "5249450").PN. OR ("5616520").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 17:21 |
| S23 | 20 | S22 not (S1 or S6 or S14 or S18 or S19) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 17:21 |
| S24 | 20 | S22 not (S1 or S6 or S14 or S18 or S19 or S21) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 17:23 |
| S25 | 18 | ("5250841" "5334857" "5334858" "5394009" "5409865" "5619070").PN. OR ("5767528").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 17:23 |
| S26 | 13 | S25 not (S1 or S6 or S14 or S18 or S19 or S21 or S22) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 17:24 |
| S27 | 22 | ("3936866" "4502932" "4561011" "5198385" "5258648" "5297001" "5348617" "5381304" "5386339" "5532513" "5534462").PN. OR ("5786230").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 17:24 |
| S28 | 14 | S27 not (S1 or S6 or S14 or S18 or S19 or S21 or S22 or S25) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 17:26 |
| S29 | 40 | ("5285352" "5355283" "5371404" "5394009" "5450283" "5461197" "5554887" "5619070").PN. OR ("5969426").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 17:25 |
| S30 | 21 | S29 not (S1 or S6 or S14 or S18 or S19 or S21 or S22 or S25 or S27) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 17:29 |

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| S31 | 97 | ("3953566" "4348253" "4445978" "4473737" "4482516" "4547836" "4595428" "4602318" "4647476" "4705762" "4720308" "4901136" "4913656" "4943032" "4954313" "4959119" "4985296" "5009607" "5019997" "5071359" "5108785" "5171964" "5224265" "5245751" "5251097" "5293025" "5293626" "5311059" "5331203" "5355397" "5377404" "5378313" "5391516" "5428803" "5442475" "5454161" "5459634" "5466892" "5493096" "5509553" "5541367" "5541731" "5593606" "5774340" "5841075" "5888631").PN. OR ("6018196").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 17:28 |
| S32 | 66 | S31 not (S1 or S6 or S14 or S18 or S19 or S21 or S22 or S25 or S27 or S29) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 17:32 |
| S33 | 9 | ("5478781" "5952725").PN. OR ("6117704").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 17:30 |
| S34 | 64 | ("3930857" "4604644" "4814943" "5121190" "5128746" "5136365" "5194930" "5216278" "5218234" "5227008" "5261155" "5355283" "5357673" "5371404" "5398863" "5401913" "5436503" "5442240" "5450283" "5489749" "5536909" "5550408" "5583376" "5583378" "5601678" "5647123" "5650593" "5663530" "5686703" "5717252" "5744863" "5801449").PN. OR ("6140707").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 17:31 |
| S35 | 49 | S34 not (S1 or S6 or S14 or S18 or S19 or S21 or S22 or S25 or S27 or S29 or S31) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 17:39 |

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| S36 | 13 | ("4326214" "5307240" "5328559" "5383269" "5616958" "5760478" "5963429" "6084308").PN. OR ("6291267").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 17:35 |
| S37 | 56 | ("3770529" "3852877" "4080513" "4188513" "4417413" "4663215" "4677528" "4770922" "4829666" "4871608" "4897918" "4964019" "5116440" "5139851" "5139852" "5274701" "5346750" "5384689" "5386343" "5396034" "5468999" "5481795" "5484647" "5506448" "5541450" "5550403" "5558928" "5562971" "5578796" "5583376" "5600541" "5616888" "5628919" "5635301" "5646828" "5650918" "5701233" "5719438" "5729894" "5731227" "5763947" "5972482" "6029343").PN. OR ("6324067").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 17:39 |
| S38 | 50 | S37 not (S1 or S6 or S14 or S18 or S19 or S21 or S22 or S25 or S27 or S29 or S31 or S35 or S36) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 17:44 |
| S39 | 10 | ("5578525" "5580795" "5909058" "6188127" "6204562" "6287892" "6324067" "6350954").PN. OR ("6548330").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 17:40 |
| S40 | 28 | ("5677569" "5910685" "5939789" "5973403" "6020629" "6097081" "6107679" "6181002").PN. OR ("6335565").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 17:43 |
| S41 | 25 | S40 not (S1 or S6 or S14 or S18 or S19 or S21 or S22 or S25 or S27 or S29 or S31 or S35 or S36 or S39) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 17:46 |
| S42 | 19 | ("5083191" "5477082" "5616958" "5900675" "5905303" "5918113" "5977633" "6249046").PN. OR ("6380620").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 17:46 |

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|-----|----|--|---|----|-----|------------------|
| S43 | 5 | S42 not (S1 or S6 or S14 or S18 or S19 or S21 or S22 or S25 or S27 or S29 or S31 or S35 or S36 or S39 or S41) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 17:55 |
| S44 | 4 | ("6183588").PN. OR ("6406942").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 17:47 |
| S45 | 13 | ("5371404" "5796170" "5844168" "5866943" "5895967" "5955789" "6011304" "6046077" "6084777" "6198635" "6232652").PN. OR ("6407334").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 17:48 |
| S46 | 15 | ("4737742" "5406235" "5459368" "5929510" "6038133" "6060960" "6181015" "6285559" "6456172").PN. OR ("6570469").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 17:55 |
| S47 | 12 | S46 not (S1 or S6 or S14 or S18 or S19 or S21 or S22 or S25 or S27 or S29 or S31 or S35 or S36 or S39 or S41 or S44 or S45) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 17:57 |
| S48 | 68 | ("4683394" "4734608" "4736128" "4737742" "4795934" "5202652" "5237235" "5281883").PN. OR ("5459368").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 17:56 |
| S49 | 60 | S48 not (S1 or S6 or S14 or S18 or S19 or S21 or S22 or S25 or S27 or S29 or S31 or S35 or S36 or S39 or S41 or S44 or S45 or S47) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 18:01 |
| S50 | 12 | ("20020003459" "5058800" "5459368" "5699027" "5712523" "5821665" "5991989" "6131257" "6246013" "6321444" "6329739" "6369490").PN. OR ("6543109").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 17:57 |

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| S51 | 23 | ("5019673" "5258648" "5412247" "5474458" "5696033" "5714800" "5719440" "5789803" "5838061" "5847936" "5898224" "5965933" "5972734" "6002171" "6031284" "6048750" "6063828" "6081429" "6238949" "6351391" "6433412").PN. OR ("6573592").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 18:00 |
| S52 | 18 | S51 not (S1 or S6 or S14 or S18 or S19 or S21 or S22 or S25 or S27 or S29 or S31 or S35 or S36 or S39 or S41 or S44 or S45 or S47 or S49 or S50) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 18:07 |
| S53 | 14 | ("5043794" "5241133" "5355283" "5838061").PN. OR ("6031284").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 18:01 |
| S54 | 4 | ("6207475" "6391682" "6391683" "6498054").PN. OR ("6727119").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 18:06 |
| S55 | 14 | ("4737742" "5406235" "5459368" "5796165" "5861670" "5929510" "5949654" "6038133" "6060960" "6181015" "6285559" "6426551" "6456172" "6570469").PN. OR ("6784765").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 18:07 |
| S56 | 4 | S55 not (S1 or S6 or S14 or S18 or S19 or S21 or S22 or S25 or S27 or S29 or S31 or S35 or S36 or S39 or S41 or S44 or S45 or S47 or S49 or S50 or S53 or S54) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/05 18:08 |
| S57 | 1 | ("5838069").PN. OR ("6841885").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/05 18:09 |
| S58 | 4 | ("2001/0020739").URPN. | USPAT | OR | OFF | 2005/03/05 18:10 |
| S59 | 1 | ("2002/0121689").URPN. | USPAT | OR | OFF | 2005/03/05 18:11 |
| S60 | 0 | ("2003/0064549").URPN. | USPAT | OR | OFF | 2005/03/05 18:13 |
| S61 | 0 | ("2003/0104652").URPN. | USPAT | OR | OFF | 2005/03/05 18:13 |
| S62 | 0 | ("2003/0137057").URPN. | USPAT | OR | OFF | 2005/03/05 18:14 |

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| S63 | 26 | (US-20020003459-\$ or US-20010052647-\$ or US-20020121689-\$ or US-20030064549-\$ or US-20030104652-\$ or US-20030137057-\$).did. or (US-6140707-\$ or US-6291267-\$ or US-5963429-\$ or US-6324067-\$ or US-6693362-\$ or US-6548330-\$ or US-6696764-\$ or US-6407334-\$ or US-6570469-\$ or US-6285559-\$ or US-5459368-\$ or US-6543109-\$ or US-5949305-\$ or US-6573592-\$ or US-6031284-\$ or US-6838758-\$ or US-6686223-\$ or US-6727119-\$ or US-6784765-\$ or US-6841885-\$).did. | US-PGPUB; USPAT | OR | OFF | 2005/03/05 18:17 |
| S64 | 7 | (US-6031284-\$ or US-6548330-\$ or US-6570469-\$ or US-6686223-\$ or US-6696764-\$ or US-6784765-\$ or US-6841885-\$).did. | USPAT | OR | OFF | 2005/03/05 18:34 |
| S65 | 5 | (US-6031284-\$ or US-6548330-\$ or US-6570469-\$ or US-6696764-\$ or US-6686223-\$).did. | USPAT | OR | OFF | 2005/03/05 18:36 |
| S66 | 5 | (US-6031284-\$ or US-6548330-\$ or US-6570469-\$ or US-6686223-\$ or US-6696764-\$).did. | USPAT | OR | OFF | 2005/03/08 18:41 |